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[Army], Washington, DC 20310.**

AUTHORITY

**GDS, DoD 5200.1-R; AGO D/A ltr, 29 Apr
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**DEPARTMENT OF THE ARMY
OFFICE OF THE ADJUTANT GENERAL
WASHINGTON, D.C. 20310**

IN REPLY REFER TO

AGDA (M) (8 Jan 71) FOR OT UT 703052

13 January 1971

SUBJECT: Operational Report - Lessons Learned, Headquarters, 2d Battalion, 94th Artillery, Period Ending 31 July 1970 (U)

SEE DISTRIBUTION

1. Subject report is forwarded for review and evaluation in accordance with paragraph 4b, AR 525-15. Information of actions initiated as a result of subject report should be forwarded to ACSFOR OT UT within 90 days of receipt of covering letter.

2. Information contained in this report is provided to insure appropriate benefits in the future from lessons learned during current operations and may be adapted for use in developing training material.

BY ORDER OF THE SECRETARY OF THE ARMY:

Kenneth G. Wickham

KENNETH G. WICKHAM
Major General, USA
The Adjutant General

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DEPARTMENT OF THE ARMY
HEADQUARTERS, 2D BATTALION 94TH ARTILLERY
APO San Francisco 96259

AVIIDC-CO

5 August 1970

SUBJECT: Operational Report of 2d Battalion 94th Artillery for Period Ending 31 July 1970, RCS CSFOR-65 (R2)

SEE DISTRIBUTION

1. Section I, Operations: Significant Activities

a. Administration and Personnel:

(1) Awards Presented (1 May - 31 July)

Bronze Star Medal	23
Air Medal	6
Army Commendation Medal	70
Purple Heart	1
USARV Certificate of Achievement	8

(2) Personnel Status

(a) Strength:

	<u>Authorized</u>	<u>1 May</u>	<u>31 July</u>	<u>Change</u>
Officer	37	33	35	+ 2
Warrant	6	6	6	0
EM	522	492	530	+38

(b) Casualties:

KIA	0
WIA	1
Died of wounds	0
Non-battle deaths	0
Non-battle injuries	4

(c) R & R

Hawaii	34
Tokyo	7
Bangkok	24
Hong Kong	12
Taipei	10

FOR OT UT
703052
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Australia	32
Total	119

(3) Organization: See Inclosure 1. (Organization Chart)

b. Intelligence. On 21 May the Battalion's Integrated Observation System (IOS) moved by air from LZ Sarge (YD029478) to FSB Barbara (YD327337). On 30 May the IOS displaced to FSB A-2 (YD213743) where it assumed the mission of DMZ surveillance. From 1 June until the end of the reporting period, there have been 374 IOS sightings reported, 91 of which were engaged by either US or ARVN artillery. Those sightings not engaged were either in North Vietnam or received negative clearance to fire.

c. Operations.

1. The mission of the Battalion changed on 10 May 1970 to general support XXIV Corps, reinforcing the fires of the 1st ARVN Division Artillery.

2. The locations of the Battalion's batteries, IOS and Meteorological Station are as follows:

	<u>1 May</u>	<u>31 July</u>
HMB	Dong Ha YD 205605	No change
SVC	Dong Ha YD 205605	No change
A	Barbara YD327337	C-1 YD 213674
B	Carroll YD 063544	No change
C	C-1 YD213674	Nancy YD434400
IOS	LZ Sarge YD 029478	A-2 YD213743
METRO	Dong Ha YD205605	No change
Visual Metro	Barbara YD327337	N/A

3. Two firing batteries and the IOS station moved during the reporting period. Battery A moved from FSB Barbara to C-1 on 23 May with two 8-inch howitzers and two 175mm guns. On 12 May, Battery C retubed two 8-inch howitzers with two 175mm tubes and became a composite 8-inch/175mm battery until 23 May, at which time the battery retubed again and moved to C-2 (YD131640) with four 8-inch howitzers. On 24 July, Battery C transferred two 8-inch howitzers to Battery A and received two 175mm guns in return. That same day Battery C, as a composite 8-inch/175mm battery, moved to FSB Nancy. On 31 May, the visual metro station established by the battalion at FSB Barbara was transferred to the 1st Battalion 39th Artillery. The moves of the IOS station have been discussed in paragraph 1b above.

d. Significant Events:

1. Severe rocket and mortar attacks occurred frequently during the

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period from 1-8 May and 19-27 May. Camp Carroll, FSB C-1, and Dong Ha Combat Base all received incoming during this period. On 17 May an NVA platoon was sighted outside the perimeter at Camp Carroll. The platoon fired approximately 10-12 RPG rounds and 75-80 mortar rounds during the action. Dusters and M-79 fire dispersed the platoon and no serious damage was reported.

2. The Battalion participated in a 24-hour truce in honor of Buddha's Birthday commencing at 1200 hours, 18 May.

3. On 3 June Battery C displaced from FSB C-2 with two 8-inch howitzers to FB Daytona (YD131470). The battery supported an operation conducted by the 54th ARVN Regiment until 17 June, at which time it left FB Daytona. The two 8-inch howitzers at Daytona displaced to FSB C-1 to provide additional fire support for an operation to be conducted by the 7th ARVN Cavalry. This operation never took place, and the two 8-inch howitzers belonging to Battery C returned to FSB C-2 on 20 June.

4. On 8 June the Battalion began its first week of classes at the 108th Artillery Group Firing Battery Section Chief's School. The Battalion operates the school for the entire 108th Artillery Group, and to date 80 men have graduated from the one-week course.

5. On 18 June Battery B took ten incoming 122mm rockets, three of which were duds. One rocket caused moderately severe damage to the new mess hall. One man in the mess hall at the time was wounded and evacuated.

6. On 4 July Major James C. Leslie, Jr., assumed command of the Battalion from LTC Edward G. Brantley. LTC Brantley assumed the duties of Senior Artillery Advisor to the I Corps Artillery (ARVN).

7. On 26 July LTC John T. Gates assumed command of the Battalion from Major James C. Leslie, Jr. LTC Gates had just arrived in Vietnam after having graduated from the Command and General Staff College at Fort Leavenworth. Major Leslie resumed his duties as Battalion Executive Officer.

8. Seven firing battery inspections were conducted during the reporting period, two by the 108th Artillery Group MBIT team and five by the Battalion S3 and FDO. Results were as follows:

<u>UNIT</u>	<u>DATE</u>	<u>GIVEN BY</u>	<u>RESULTS</u>
B	5 May	108th Gp	Satisfactory
Bn	22 May	108th Gp	Satisfactory
A	16 June	Bn S3	Unsatisfactory
B	18 June	Bn S3	Satisfactory
C	25 June	Bn S3	Satisfactory
A	2 July	Bn S3	Satisfactory
C	13 July	Bn S3	Satisfactory

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e. Ammunition Expenditures. During the reporting period the ammunition expenditures for the Battalion were as follows:

	A	B	C	Total
May 8"	1843	7524	5569	14,936
175mm	1988	0	374	2362
June 8"	4500	5977	4834	15,311
175mm	1548	0	0	1548
July 8"	993	1632	521	3146
175mm	125	0	153	283
Total 8"	7306	15,133	10,924	33,393
175mm	3661	0	532	4193

This reflects an increase in total ammunition expenditures of 21.3 percent from the last OML reporting period. The level of enemy activity remained high throughout the reporting period. The next reporting period should reflect a considerable drop in ammunition expenditures due to a recent reexamination of the employment of heavy artillery and the resulting policy which limits the use of heavy artillery to those confirmed targets which specifically require heavy artillery. The effect of this new policy can be seen in the expenditures for July.

f. The following battle damage assessments (BDA) were credited to the Battalion during the reporting period:

Enemy KIA	36
Enemy WIA	14
Bunkers destroyed	169
Bunkers damaged	31
Secondary explosions	62
Hootches destroyed	5
Fighting positions destroyed	32
Vehicles destroyed	2
Sampans destroyed	2
Tunnels collapsed	5
Bridge destroyed	1
Concrete buildings destroyed	3
NVA 10' x 10' tent destroyed	1

g. Civil Affairs.

The Battalion's MEDCAP program which was begun in late April to

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provide assistance to a Catholic dispensary in Cam Lo was continued on a twice weekly basis throughout May and half of June. The latter half of June was spent in reorganizing the MEDCAP program. Beginning in early July, MEDCAPs have again been conducted twice a week, one day at the Catholic dispensary visited in May and the other at the Catholic dispensary located in the Montagnard sector of Cam Lo. The number of patients treated on these MEDCAPs has averaged from five to fifteen. The Battalion Surgeon plans to continue the program indefinitely.

2. Section II, Lessons Learned: Commander's Observations, Evaluations, and Recommendations.

a. Personnel.

(1) Assignment of Heavy Truck Drivers (64B20 MOS) to Battalion ~~Ammunition~~ Section.

(a) OBSERVATION. Personnel assigned to the Battalion ~~Ammunition~~ Section as heavy truck drivers are not MOS school-trained and are in fact 13A10 cannoneers.

(b) EVALUATION. Considerable time and effort is spent training the personnel assigned as heavy truck drivers in the proper care, handling, loading, and transporting of artillery ammunition. Special instruction must be given in order to qualify the 13A10 personnel as heavy truck operators. Assigning a 64B20 MOS-trained individual to each 5-ton truck in the ammunition section would vastly facilitate the in-country training task.

(c) RECOMMENDATION. That consideration be given to assigning personnel trained in the 64B20 MOS to all heavy artillery battalion ammunition sections.

b. Intelligence. None.

c. Operations.

(1) Malfunctioning of Variable Time (VT) Fuzees.

(a) OBSERVATION. This battalion has experienced premature and/or graze bursts on many occasions when VT fuzes have been used.

(b) EVALUATION. The problem of both premature and graze bursts with VT fuzes has not yet been solved. One possible reason for the malfunctioning of the VT fuze could be improper handling of the fuze during transporting. The VT fuze is a fragile item, and the membrane containing the electrolyte (which activates the batteries within the fuze itself) could be ruptured during shipment. Tests could be conducted with the VT fuze to

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determine what effect rough handling has on the percentage of malfunctions. If warranted, a special container for VT fuzes could be fabricated in order to reduce shock to the fuze caused by rough handling.

(c) RECOMMENDATIONS.

1.) That firing tests be conducted to determine the effect of mishandling on the functioning of VT fuzes.

2.) That the possibility of fabricating a special shock-resistant container for VT fuzes be examined.

3.) That the results of the firing tests be disseminated to artillery units in the field, specifically illustrating the effect that rough handling might have on the functioning of the fuze.

d. Organization. None.

e. Training.

(1) Deficiency in Training in Improved Conventional Munitions (ICM).

(a) OBSERVATION. Personnel holding the 13E20 MOS (Fire Direction) who have just arrived in Vietnam have little or no knowledge of fire direction techniques for Improved Conventional Munitions (ICM).

(b) EVALUATION. The experience of this battalion has been that 13E20 fire direction center personnel are not adequately trained in ICM fire direction techniques. While this training can be, and is, conducted by the Battalion Fire Direction Officer, it would facilitate the training task in Vietnam if more intensive ICM training were conducted during AIT. ICM is being used extensively by the battalion - in fact, more frequently than HE ammunition with mechanical time fuze. Because of this, special emphasis is required to correct this deficiency in FDC training.

(c) RECOMMENDATION. That additional training be given to all 13E20 candidates in AIT to insure that they are familiar with ICM procedures when they arrive in Vietnam.

f. LOGISTICS.

(1) Removal of 12-Volt Batteries from Direct Exchange (DX) Program.

(a) OBSERVATION. Vehicles have frequently been deadlined due to a lack of 12-volt batteries within this battalion.

(b) EVALUATION. The direct exchange (DX) program for obtaining

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12-volt batteries has proved to be unsatisfactory. As a vehicle's batteries become unserviceable there is no choice other than to place the vehicle on deadline while the old batteries are exchanged for new ones. In most cases batteries are not readily available at DM facilities, and the vehicle remains on deadline until batteries become available. Since the requisition objective within support maintenance tends to fluctuate drastically, the number of new batteries available to requesting units fluctuates accordingly.

(c) RECOMMENDATION. That batteries be removed from the DM program and placed under formal stock control. This would enable each unit to maintain a certain quantity of batteries in its PLL at all times.

g. Other-Civic Action. None.

John T. Oates
JOHN T. OATES
LTC, FA
Commanding

1 Inclosure
Organizational Diagram

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AVIID-C (5 August 1970) 1st Ind

SUBJECT: Operational Report of 2d Battalion, 94th Artillery for Period
Ending 31 July 1970, RCS CSFOR-65 (R2) (U)

DA Headquarters, 108th Artillery Group, APO San Francisco, 12 August 1970

TO: Commanding General, XXIV Corps Artillery, ATTN: AVIL-ATC, APO San
Francisco 96349

1. The ORLL of the 2d Battalion, 94th Artillery is forwarded in accordance
with AR 525-15.

2. Concur with recommendations made in paragraph 2.

FOR THE COMMANDER:


KIP D. CASSINO
CPT, FA
Adjutant

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AVII-ATCO (5 Aug 70) 2d Ind
SUBJECT: Operational Report - Lessons Learned (2d Battalion, 94th Artillery), Period Ending 31 July 1970, RCS CSFOR-65 (R2) (U)

DA, HQ, XXIV Corps Artillery, APO San Francisco 96349 20 August 1970

TO: Commanding General, XXIV Corps, ATTN: AVII-GCT, APO San Francisco 96349

1. (U) The ORLL of the 2d Battalion, 94th Artillery is forwarded in accordance with AR 525-15.

2. (U) This headquarters concurs with the report with the following comment. Reference paragraph 2a(1), page 5. The unit will be advised to submit an MTOE change.

FOR THE COMMANDER:

Lewis A. Blumbo
LEWIS A. BLUMBO
1LT, ADA
Adjutant

AVII-GCT (3 Aug 70) 3d Ind

SUBJECT: Operational Report - Lessons Learned of 2d Battalion, 94th Artillery,
for Period Ending 31 July 1970, RCS CSFOR-65 (R2)

DA, HQ, XIV Corps, APO San Francisco 96349

25 AUG 1970

TO: Commanding General, USARV, APO San Francisco 96375

1. The ORLL for the 2d Battalion, 94th Artillery has been reviewed by this headquarters in accordance with AR 525-15.
2. This headquarters concurs with the report with the following comments.

a. Reference paragraph 2a(1), page 5, concerning assignment of heavy truck drivers, (MOS 64B); concur. It is more practicable to cross train a heavy truck driver in those aspects of field artillery pertinent to ammunition than to properly cross train a gunnery, (MOS 13B) in the duties of driving and maintenance of ammunition trucks.

b. Reference item paragraph 2f(1), page 6, concerning removal of 12 volt batteries from DX program; nonconcur. There is no reason why batteries cannot be added to the PLL of the unit as provided by paragraph 6-6, AR 735-35. The unit will be advised to take necessary action to add the batteries to their PLL.

FOR THE COMMANDER:

Mr. W. L. Smith, Opt
PAUL W. TRAXLER
CPT AGC
ASST

AVHDO-DO (5 Aug 70) 4th Ind

SUBJECT: Operational Report of 2d Battalion 94th Artillery for Period Ending 31 July 1970, RCS CSPOR-65 (R2)

Headquarters, United States Army Vietnam, APO San Francisco 96375 18 Oct 1970

TO: Commander in Chief, United States Army Pacific, ATTN: GPOP-DT,
APO 96558

1. This Headquarters has reviewed the Operational Report-Lessons Learned for the quarterly period ending 31 July 1970 from Headquarters, 2d Battalion 94th Artillery and comments of indorsing headquarters.

2. Comments follow:

a. Reference item concerning "Malfunctioning of variable time (VT) Fuze," page 5, paragraph 2c(1): nonconcur. It is advised that rough handling may increase the number of malfunctions. Proximity fuzes will withstand normal handling without danger of detonation or damage when in their original packing containers or when assembled to cartridges. A drop of 4 feet may cause the electrolyte vial in the fuze battery to break, thus creating a dud. Section IX of TM 9-1300-203 lists numerous characteristics of various types of proximity fuzes and conditions which could cause early bursts. Unit has been so advised.

b. Reference item concerning "Removal of 12-volt batteries from direct exchange (DX) program," page 6, paragraph 2f(1): nonconcur. This battery is in short supply and has been made a DX item and allocated to DSU's in order to reduce excessive use. Making them a demand supported item would tend to increase usage. This action would also require an additional quantity which would be "dead stock." Unit has been so advised.

FOR THE COMMANDER:

John W. Stevens Jr.
John W. Stevens Jr.
VOC

Assistant Adjutant General

Cy furn:
XX: V Corps
2d Bn, 94th Arty

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GPOP-DT (5 Aug 70) 5th Ind (U)

SUBJECT: Operational Report of HQ, 2d Battalion, 94th Artillery for
Period Ending 31 July 1970, RCS CSFOR-65 (R2) (U)

HQ, US Army, Pacific, APO San Francisco 96558 5 NOV 1970

TO: Assistant Chief of Staff for Force Development, Department of the
Army, Washington, D. C. 20310

This headquarters concurs in subject report as indorsed.

FOR THE COMMANDER IN CHIEF:

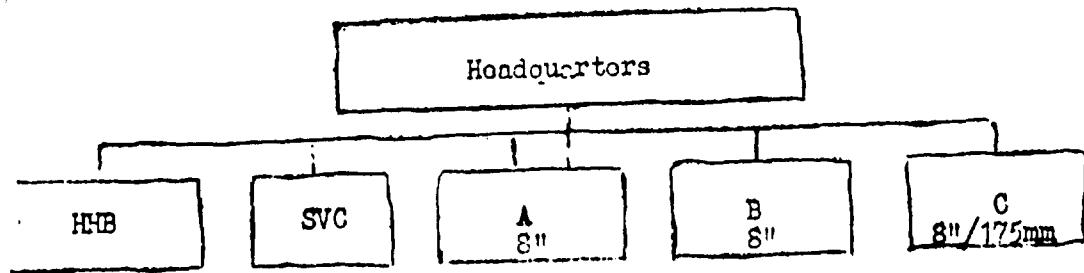

L.M. CZAKL
CPT, AGC
Asst AJ

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SUBJECT: Inclosure 1 (Organizational Diagram) Operational Report of 2d
Battalion 94th Artillery for Period Ending 31 July 1970, RCS
CSFOR-65 (R2)

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1. ORIGINATING ACTIVITY (Corporate author)		1a. REPORT SECURITY CLASSIFICATION CONFIDENTIAL
HQ, OACSFOR, DA, Washington, D.C. 20310		1b. GROUP 4
2. REPORT TITLE		
Operational Report - Lessons Learned, HQ, 2d Battalion, 94th Artillery		
3. DESCRIPTIVE NOTES (Type of report and inclusive dates) Experiences of unit engaged in counter-insurgency operations, 1 May to 31 July 70.		
4. AUTHOR(S) (First name, middle initial, last name) CO, 2d Battalion, 94th Artillery.		
5. REPORT DATE 5 August 1970	7a. TOTAL NO. OF PAGES 16	7b. NO. OF REFS
6a. CONTRACT OR GRANT NO.	7d. ORIGINATOR'S REPORT NUMBER(S) 703052	
b. PROJECT NO. N/A	8d. OTHER REPORT NO(S) (Any other numbers that may be assigned this report)	
c.		
d.		
10. DISTRIBUTION STATEMENT		
11. SUPPLEMENTARY NOTES N/A		12. SPONSORING MILITARY ACTIVITY OACSFOR, DA, Washington, D.C. 20310
13. ABSTRACT		

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